

PRODUCT IDENTIFICATION

**Product Name:** Sodium Hydroxide 15% ACS Grade**CAS Number:** 1310-73-2**Molecular Formula:** HNaO**Molecular Weight:** 39.997 g/mol**Grade:** ACS Grade**Purity / Concentration:** 15%**Synonyms:** Not Available

PRODUCT OVERVIEW

Sodium Hydroxide 15% ACS Grade is a high-purity, standardized aqueous solution designed for precise laboratory and industrial applications. This clear, colorless liquid offers a specific gravity of 1.165, ensuring reliable concentration for analytical procedures requiring strict chemical consistency.

Grade Significance: ACS Grade signifies that this product meets the rigorous purity standards set by the American Chemical Society, ensuring it is suitable for critical analytical and research use.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear, colorless to slightly pale liquid	Form	Liquid
Boiling Point	1390°C (pure)	Melting / Freezing Point	318°C (pure)
Specific Gravity	1.165	Solubility	Fully soluble in water
Molecular Formula	HNaO	Molecular Weight	39.997 g/mol

APPLICATIONS

- Analytical Chemistry** — Used as a standard titrant in laboratory settings for precise acid-base neutralization experiments.
- Water Treatment** — Applied for pH adjustment and alkalinity control in sensitive water quality testing processes.
- Pharmaceutical Manufacturing** — Utilized as a high-purity reactant in the synthesis of active pharmaceutical ingredients where strict quality control is mandatory.
- Electronics** — Employed in the cleaning and etching of semiconductor surfaces where trace contaminants must be minimized.
- Food and Beverage** — Serves as an essential reagent for quality control testing and sanitation verification in food processing facilities.

STORAGE & HANDLING

Proper storage is critical because Sodium Hydroxide is highly corrosive to metals and causes severe skin and eye damage upon contact. Containers must be kept tightly sealed to prevent carbon dioxide absorption from the air, which can degrade the product's concentration and purity over time.

AVAILABLE PACKAGING

- 1 Quart
- 1 Gallon
- 5 Gallon
- 15 Gallon
- 55 Gallon
- 275 Gallon
- 330 Gallon

SAFETY SUMMARY (CROSS-REFERENCE TO SDS)

Signal Word: Danger



Hazard Statements:

- H290: May be corrosive to metals
- H314: Causes severe skin burns and eye damage

Emergency Contact: CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

For complete safety information, refer to the Safety Data Sheet (SDS) for this product.

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